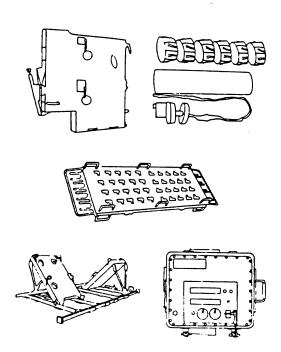
## **M139 MINE DISPENSER**



SYSTEM IDENTIFIERS						
NOMENCLATURE:	Multiple Delivery Mine System (VOLCANO)					
SSN:	G39101					
LIN:	D30897					
NSN:	1095-01-235-3139					
AMIM NO:	A520					
EIC:	3V8					
FUEL TYPE:						

#### **SYSTEM DESCRIPTION**

The Multiple Mine Delivery System (VOLCANO) is used to emplace the GATOR BLU-91/B anti-tank and BLU-92/B anti-personnel mines. It consists of four launcher racks, a dispenser control unit, and mounting hardware. The M139 can be mounted on tactical vehicles, tracked vehicles and some helicopters. The GATOR mines are preconfigured in canisters (five anti-tank and one personnel mines per canister). The canisters are expendable.

The list below identifies components associated with this weapon/materiel system.

## M139 MINE DISPENSER

LIN	NSN	NOMENCLATURE
M17999	1095-01-252-2818	MOUNTING KIT MINE DISPENSER, GROUND

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

# M139 MINE DISPENSER FY 94 TOTAL ARMY COST SUMMARY (FY 94 Constant Dollars)

90

#### **DENSITY**

NUMBER OF SYSTEMS

#### **DEPOT END ITEM MAINTENANCE (5.061)**

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/END ITEM \$0.00

#### CLASS III-POL (5.05)

**NOT APPLICABLE** 

#### **DEPOT SECONDARY ITEM MAINTENANCE**

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/SECONDARY ITEM \$0.00

#### **CLASS V-AMMUNITION (2.11)**

**NOT AVAILABLE** 

#### 

0

0.00

0

0.00

MAINTENANCE MANHOURS

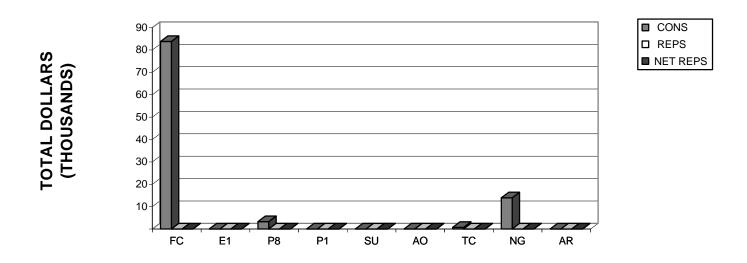
MMHs/SYSTEM

### CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94	AVG COST
	<u>DOLLARS</u>	PER SYSTEM
CONSUMABLES	\$101,749	\$1,130.54
NET REPARABLES	\$0	\$0.00
NET TOTAL COSTS	\$101,749	\$1,130.54

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

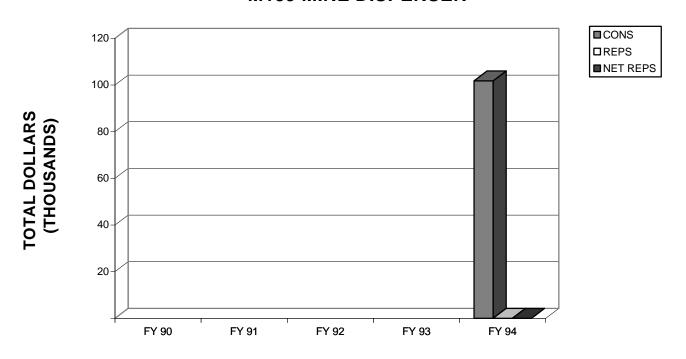
#### **M139 MINE DISPENSER**



	M139 MINE DISPENSER									
	FY 94 MACOM CLASS IX COSTS									
	MACOM			NET	NET TOTAL	NUMBER OF	AVG PER			
CODE	NAME	CONS	REPS	REPS	COSTS	SYSTEMS	SYSTEM			
FC	FORSCOM	83,721	0	0	83,721	61	1,372			
E1	USAREUR	0	0	0	0	0	0			
P8	EUSA	3,323	0	0	3,323	6	554			
P1	USARPAC	0	0	0	0	0	0			
SU	USARSO	0	0	0	0	0	0			
AO	USASOC	0	0	0	0	0	0			
TC	TRADOC	747	0	0	747	2	374			
NG	ARNG	13,958	0	0	13,958	21	665			
AR	USAR	0	0	0	0	0	0			
TA	TOTAL ARMY	101,749	0	0	101,749	90	1,131			

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that

#### **M139 MINE DISPENSER**



M139 MINE DISPENSER FIVE YEAR TOTAL ARMY CLASS IX COSTS								
FISCAL			NET	NET	NUMBER OF	AVG PER		
YEAR	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM		
FY 90								
FY 91								
FY 92								
FY 93								
FY 94	101,749	0	0	101,749	90	1,131		

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

	M139 MINE DISPENSER FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS										
				NET	NET	NUM OF	AVG PER				
WBS	NAME	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM				
01	HULL/FRAME	28,190	0	0	28,190	90	313				
02	SUSPENSION/STEER	0	0	0	0	0	0				
03	POWER PACKAGE	0	0	0	0	0	0				
04	AUX AUTOMOTIVE	26,190	0	0	26,190	90	291				
05	TURRET ASSEMBLY	0	0	0	0	0	0				
06	FIRE CONTROL	0	0	0	0	0	0				
07	ARMAMENT	704	0	0	704	90	8				
80	BODY/CAB	0	0	0	0	0	0				
09	AUTO LOADING	0	0	0	0	0	0				
10	AUTO/REMOTE PILOT	0	0	0	0	0	0				
11	NBC EQUIPMENT	0	0	0	0	0	0				
12	SPECIAL EQUIPMENT	0	0	0	0	0	0				
13	NAVIGATION	0	0	0	0	0	0				
14	COMMUNICATIONS	0	0	0	0	0	0				
15	VEH APP SOFTWARE	0	0	0	0	0	0				
16	VEH SYS SOFTWARE	0	0	0	0	0	0				
17	INT, ASSY, TEST, C/O	0	0	0	0	0	0				
18	OTHER	46,665	0	0	46,665	90	519				
	TOTAL	101,749	0	0	101,749	90	1,131				

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

	M139 MINE DISPENSER FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS								
		FY 90	FY 91	FY 92	FY 93	FY 94			
		NET TOTAL							
WBS	NAME	COSTS	COSTS	COSTS	COSTS	COSTS			
01	HULL/FRAME					28,190			
02	SUSPENSION/STEER					0			
03	POWER PACK					0			
04	AUX AUTOMOTIVE					26,190			
05	TURRET ASSEMBLY					0			
06	FIRE CONTROL					0			
07	ARMAMENT					704			
80	BODY/CAB					0			
09	AUTO LOADING					0			
10	AUTO/REMOTE PILOT					0			
11	NBC EQUIPMENT					0			
12	SPECIAL EQUIPMENT					0			
13	NAVIGATION					0			
14	COMMUNICATIONS					0			
15	VEH APP SOFTWARE					0			
16	VEH SYS SOFTWARE					0			
17	INT, ASSY, TEST, C/O					0			
18	OTHER					46,665			
	TOTAL					101,749			
	NUM OF SYSTEMS					90			
	AVG PER SYSTEM					1,131			

## M139 MINE DISPENSER COST DRIVERS CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	6130012626309	POWER SUPPLY	18	Z		Q2200	19,966.00	2.00
2.	5340012043009	SPECIAL PURPOSE WEB	01A	Z		M22X3	27.82	749.32
3.	5998012593452	CIRCUIT CARD ASSEMB	04A	Z		Q2200	4,946.00	3.00
4.	5998012593449	CIRCUIT CARD ASSEMB	04A	Z		Q2200	3,479.35	2.00
5.	6135009857845	BATTERY, NONRECHARG	18	Z		E2200	5.44	1,169.48
6.	5998012593447	CIRCUIT CARD ASSEMB	04A	Z		Q2200	3,899.93	1.00
7.	5340012608712	LATCH,SLIDE	01A	Z		T2200	348.00	8.00
8.	5340012612814	LATCH,SLIDE	01A	Z		T2200	297.46	8.00
9.	5340012593401	HANDLE,BOW	01A	Z		T2200	92.86	15.45
10.	1095012628607	BOLT,LATCH	07D	Z		J2200	351.91	2.00
11.	5340012602760	HANDLE,BOW	01A	Z		T2200	28.82	16.00
12.	6625011771180	PROD,TEST	18	Z		Q2200	47.73	4.05
13.	5970004194291	TAPE,INSULATION,ELE	04A	Z		Q2200	1.55	112.84
	5315013233036	PIN,QUICK RELEASE	01A	Z		T2200	14.09	12.19
15.	4010001288860	WIRE ROPE ASSEMBLY,	18	Z		J2200	4.66	30.00
16.	5315013281599	PIN,QUICK RELEASE	01A	Z		T2200	149.39	0.75
17.	5935011660030	COVER,ELECTRICAL CO	04A	Z		Q2200	10.39	8.00
18.	5935003228959	ADAPTER, CONNECTOR	04A	Z		K22PQ	8.56	8.78
_	5935011660031	COVER,ELECTRICAL CO	04A	Z		Q2200	27.42	2.00
	5910011117538	CAPACITOR,FIXED,ELE	04A	Z		Q2200	4.50	8.00
	5930011377833	SWITCH,TOGGLE	04A	Z		Q2200	23.75	1.00
	3439000813047	SOLDER,LEAD-TIN ALL	18	Z		E2200	29.48	0.65
	5930010558460	SWITCH,TOGGLE	04A	Z		Q2200	26.40	0.45
	6625003959313	LEAD SET CX-1331A/U	18	Z		Q22QE	4.45	1.79
	6625010368355	METER,REPLACEMENT	04A	Z		Q22RE	35.20	0.22
	5961008834798	SEMICONDUCTOR DEVICE	04A	Z		Q2200	4.27	1.61
	6135001607159	BATTERY,NONRECHARGE	18	Z		G22TJ	2.90	2.00
	5999007025256	CLIP	04A	Z		Q2200	1.06	4.73
_	3439000040913	HOUSING,ELECTRIC SO	18	Z		E2200	20.61	0.12
	5975001113208	STRAP,TIEDOWN,ELECT	04A	Z		Q2200	1.00	2.85
-	5935004814141	SOCKET,PLUG-IN ELEC	04A	Z		Q22TE	0.39	7.64
-	5920008132714	FUSE,CARTRIDGE	04A	Z		Q2200	1.62	1.89
	5920002433787	FUSE	04A	Z		Q22TB	0.16	8.88
	5920002804960	FUSE	04A	Z		Q2200	0.07	10.00
	5999006213276	CLIP,ELECTRICAL	04A	Z		Q22TE	0.54	1.35
	6625006438543	PROD,TEST	18	Z		Q2200	1.49	0.62
	5999007025260	CLIPXELECT	04A	Z		Q2200	2.32	0.31
	6625011771197	CASE, TEST SET	18	Z		Q2200	54.50	0.01
39.	6625011771142	ADAPTER,TEST	18	Z		Q2200	36.49	0.01

NUMBER OF SYSTEMS 90

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

## M139 MINE DISPENSER CONSUMABLES (NON-DLRs)

_	AVERAGE COST	AVERAGE QUANTITY	FIVE	FY 90-94 YEAR AVERAGE
EXTENDED COST	PER	PER		
(QTY * UNIT PRICE)	SYSTEM	100 SYSTEMS	QTY	EXTENDED COST
39,932	443.69	2.2222		
20,846	231.62	832.5778		
14,838	164.87	3.3333		
6,959	77.32	2.2222		
6,362	70.69	1,299.4222		
3,900	43.33	1.1111		
2,784	30.93	8.8889		
2,380	26.44	8.8889		
1,435	15.94	17.1667		
704	7.82	2.2222		
461	5.12	17.7778		
193	2.14	4.5000		
175	1.94	125.3778		
172	1.91	13.5444		
140	1.56	33.3333		
112	1.24	0.8333		
83	0.92	8.8889		
75	0.83	9.7556		
55	0.61	2.2222		
36	0.40	8.8889		
24	0.27	1.1111		
19	0.21	0.7222		
12	0.13	0.5000		
8	0.09	1.9889		
8	0.09	0.2444		
7	0.08	1.7889		
6	0.07	2.2222		
5	0.06	5.2556		
3	0.03	0.1333		
3	0.03	3.1667		
3	0.03	8.4889		
3	0.03	2.1000		
1	0.01	9.8667		
1	0.01	11.1111		
1	0.01	1.5000		
1	0.01	0.6889		
1	0.01	0.3444		
1	0.01	0.0111		
0	0.00	0.0111		

101,749	100.0%	COST DRIVERS
0	0.0%	OTHERS
101,749		

## M139 MINE DISPENSER COST DRIVERS CLASS IX REPARABLES (DLRs)

						FY 94 AMDF	FY 94	
NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	W/O CREDIT	W/CREDIT	QTY

NO DATA

## M139 MINE DISPENSER REPARABLES (DLRs)

	AVERAGE COST			FY 90-94
EXTENDED COST	AVERAGE QUANTITY	FIVE Y	EAR AVERAGE	
(W/CREDIT)	PER	PER		EXTENDED COST
(QTY * UNIT PRICE)	SYSTEM	100 SYSTEMS	QTY	(W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

M139 MINE DISPENSER FY 94 DEPOT MAINTENANCE COSTS									
COST		END I	TEM			SECONDARY	ITEM		
ELEMENTS		MAINTE	NANCE			MAINTENAI	NCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER		
CIVILIAN LABOR	0	0	0	0	0	0			
MILITARY LABOR	0	0	0	0	0	0			
MATERIEL	0	0	0	0	0	0			
TRANSPORTATION	0	0	0	0					
OVERHEAD	0	0	0	0	0	0			
CONTRACT	0	0	0	0	0	0			
OTHER	0	0	0	0	0	0	(		
TOTAL	0	0	0	0	0	0			
QTY COMPLETED	0	0	0	0	0	0			
AVG COST	0	0	0	0	0	0			

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

M139 MINE DISPENSER FY 94 INTERMEDIATE MAINTENANCE COSTS								
	DS/GS LABOR	DS/GS	CIVILIAN	CIVILIAN	CIVILIAN LABOR			
MACOM	HOURS	LABOR COSTS	LABOR HOURS*	LABOR COSTS <sup>*</sup>	COST/HOUR			
FORSCOM	0	0	0	0	0.00			
USAREUR	0	0						
EUSA	0	0						
USARPAC	0	0						
USARSO	0	0						
USASOC	0	0						
TRADOC	0	0	0	0	0.00			
ARNG	0	0						
USAR	0	0						
TOTAL ARMY	0	0	0	0	0.00			

<sup>\*</sup>TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

M139 MINE DISPENSER FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS							ONDARY I			
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					0
MILITARY LABOR					0					0
MATERIEL					0					0
TRANSPORTATION					0					
OVERHEAD					0					0
CONTRACT					0					0
OTHER					0					0
TOTAL					0					0
QTY COMPLETED					0					0
AVG COST					0					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

M139 MINE DISPENSER FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
	DIRECT/GENERAL SUPPORT						CIVILIAN			
	INT	ERMEDIAT	E MAINTEN	IANCE (DS	/GS)		MAIN	ITENANCE	(CIV)	
MACOM	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					0					0
USAREUR					0					
EUSA					0					
USARPAC					0					
USARSO					0					
USASOC					0					
TRADOC					0					0
ARNG					0					
USAR					0					
TOTAL ARMY					0					0
LABOR HRS					0					0
COST PER HR					0.00					0.00

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

M139 MINE DISPENSER FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
		FY 94	FY 94 TOTAL COST	FY 94	AVG COST			
		AMDF	TO REBUILD/	QTY	TO REBUILD/			
NSN	NOMENCLATURE	PRICE	OVERHAUL	COMPLETED	OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

M139 MINE DISPENSER FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS								
	FY 94 FY 94 FY 94 AMDF TOTAL COST QTY AVG COST							
NSN	NOMENCLATURE	PRICE	TO REPAIR	COMPLETED	AVG COST TO REPAIR			
	N	O DATA AVAI	LABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

M139 MINE DISPENSER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
		FY 94	FY 90-94 TOTAL COST	FY 90-94	AVG COST			
		AMDF	TO REBUILD/	QTY	TO REBUILD/			
NSN	NOMENCLATURE	PRICE	OVERHAUL	COMPLETED	OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

M139 MINE DISPENSER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS							
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR		
	N	O DATA AVAI	LABLE				

## **CHOOSE A VOLUME FOR MORE SYSTEMS**



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